SkyWay NETWORK

GM-4300 NAVI

Delights of Mobile Entertainment in Your Hands!

PMP & Multimedia Functions User Manual

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Version
Manual – ENG1.01
O/S
Engine
Map

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10. Device Specification

Greeting

Thank you for purchasing this product.

GM-4300 is up to date GPS navigation engine with integrated multimedia functions.
Powered with newest technology, you can simply enjoy your driving
and many joyful features in your vehicle.

Find more help in the web site.

Do you need technical help or upgrade Navigation Software?
Simply visit SkyWay web site at www.skyway.it

Read carefully before Use

When navigating, carefully compare information displayed to all available navigation sources, including information from street signs, visual sightings, and maps. For safety, always resolve any discrepancies before continuing navigation.

IMPORTANT

SkyWay will/does not have any responsibility to compensate for any accident which occurred by driver's carelessness, or ignorance of local traffic condition.
Driver must always operate vehicle in a safe manner.

1. Precautions and Safety Information

For your own safety, do not operate the controls of the product while driving.

The calculated route is for reference only. It is the user's responsibility to follow the traffic signs and local regulations along the roads.

Always fully aware of all driving condition and do not become distracted by the unit while driving. Stop your vehicle in a safe place before attempting any operation.

Your device may be a tempting target for a theft.
To avoid theft, remove front unit and keep in safe place when leaving your vehicle.

The voice guide and route may be different from the actual road condition. Always pay full attention to recognize actual road condition and drive in a safe manner.

Do not set the volume too high which may lead you lack of notice any condition of outside vehicle.

Disassembling or any attempt to fix the device may cause a great danger.
SkyWay strongly recommend to contact technical help from customer service center or website when not working promptly.

Other wireless devices in the vehicle might interfere with the reception of satellite signals and cause the reception to be unstable.

2. General Information & Features

GPS Navigation

- Accurate map data source of Europe with roads, freeways, highways, rivers, lakes, Point of interests, and all respected terrestrial data.
- Up to dated navigation engine powered by Cydle and I-GO.
- Lightning fast route calculation.
- Various searching options
  - -Address
  - -Intersection
  - - POI (Point of Interest)
  - - Favorites
  - - Recent Record
  - - Etc

-2D/3D view angles provide joyful and comfortable guidance

-Day/Night mode for realistic display

DVD Player

Radio

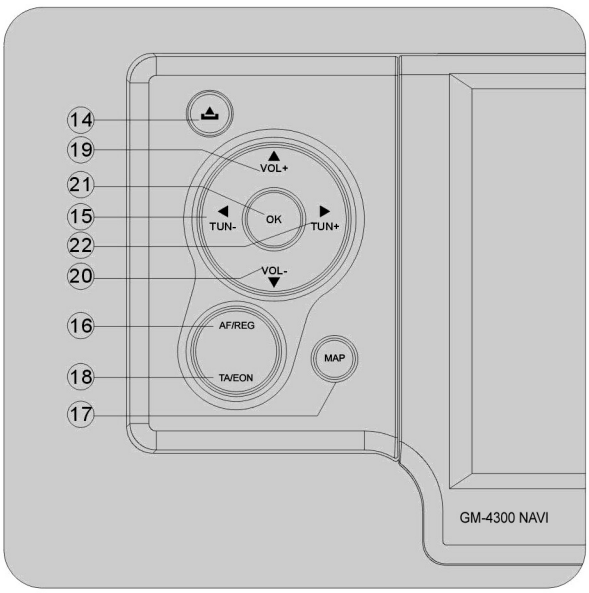
AV in

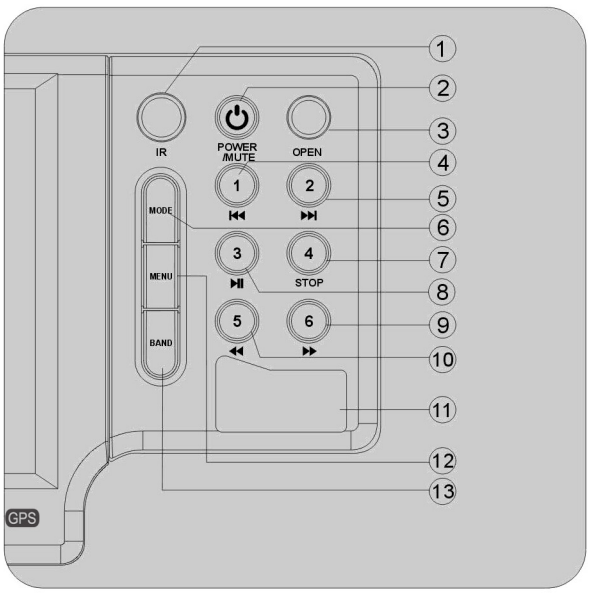
Calendar

Calculator

General Information & Features

2.1. Control Panel

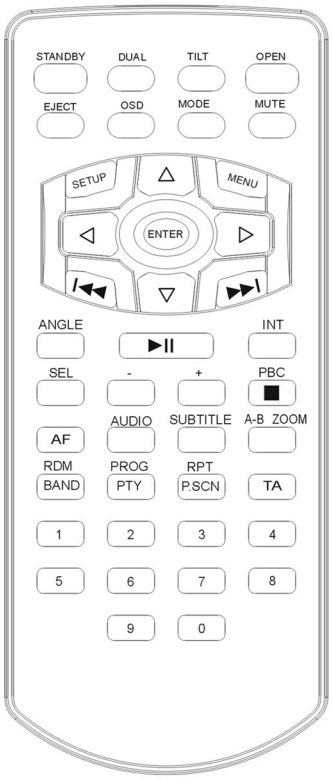


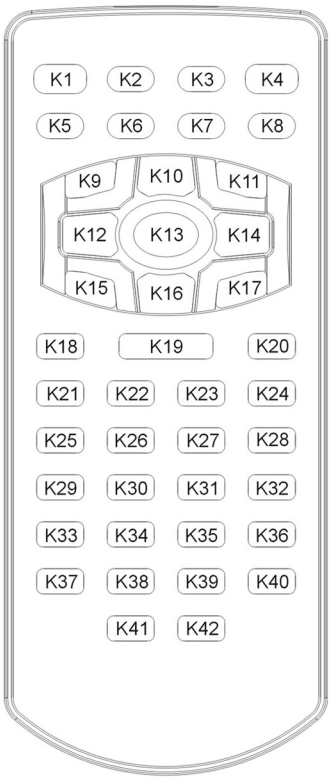


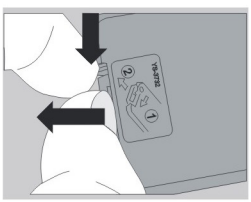
1. IR Remote Sensor
2. Power On/Off - Mute
3. Removal Control Panel
4. Preset 1, Backward, CD -
5. Preset 2, Forward, CD +
6. Mode
7. Preset 4, Stop
8. Preset 3, Play/Pause
9. Preset 6, Fast Forward
10. Preset 5, Fast Backward
11. USB Port
12. Menu
13. Band FM1/2/3/AM
14. Eject
15. Tun - / Select Left
16. AF/REG alternative frequency (RDS)
17. MAP view/ Navigation start
18. TA/EON On/Off TA function
19. Volume +, Select UP
20. Volume -, Select DOWN
21. Enter/OK
22. Tun + / Select Righ

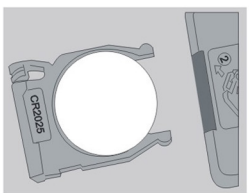
General Information & Features

2.2. Remote Control









Remove Battery

K1. Power

K2. Dual Zone
K3. Tilt
K4. Open
K5. Eject
K6. OSD Info a schermo
K7. Mode
K8. Mute
K9. Setup
K10. Select UP
K11. Menu
K12. Select LEFT
K13. Enter/Select
K14. Select RIGH
K15. Select Backward, CD-
K16. Select DOWN
K17. Select Forward, CD+
K18. Angle
K19. Play/Pause
K20. Intro Audio
K21. SEL Audio Settings
K22. Volume -
K23. Volume +
K24. PBC/Stop
K25. Func
K26. Sel. DVD Audio
K27. Subtitle DVD
K28. Zoom/A-B Prog.
K29. Random/Band
K30. Prog/PTY
K31. P.SCN/RPT
K32. TA On/Off
K33. Preset 1
K34. Preset 2
K35. Preset 3
K36. Preset 4
K37. Preset 5
K38. Preset 6
K39. Preset 7
K40. Preset 8
K41. Preset 9
K42. Preset 0

3. Main Menu

3.1. Main Menu Screen

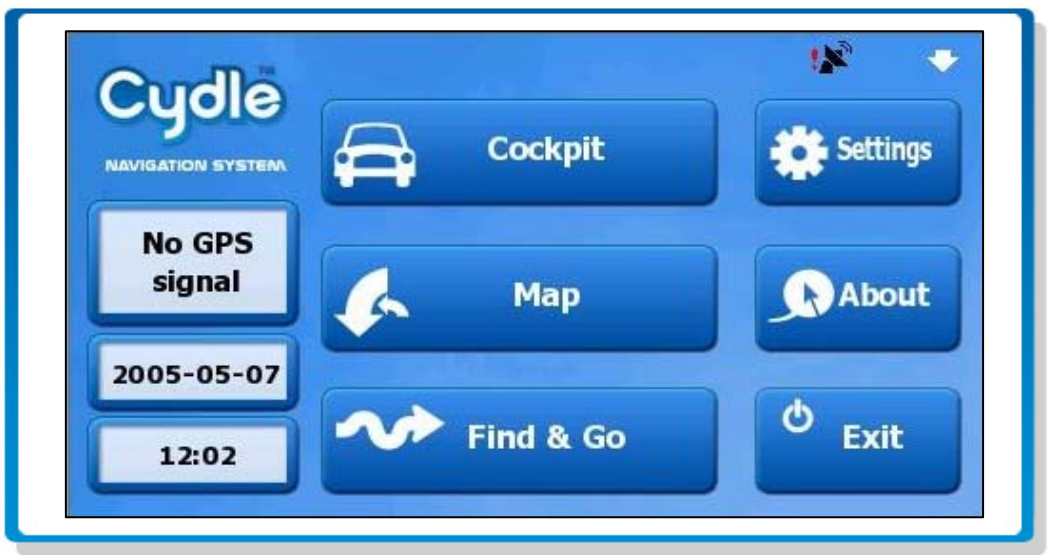
SkyWay GM-4300 starts by displaying the Main menu.
This is the root of the screen hierarchy, and you can simply access to all features by tapping on touch screen buttons.

3.2. Button Description

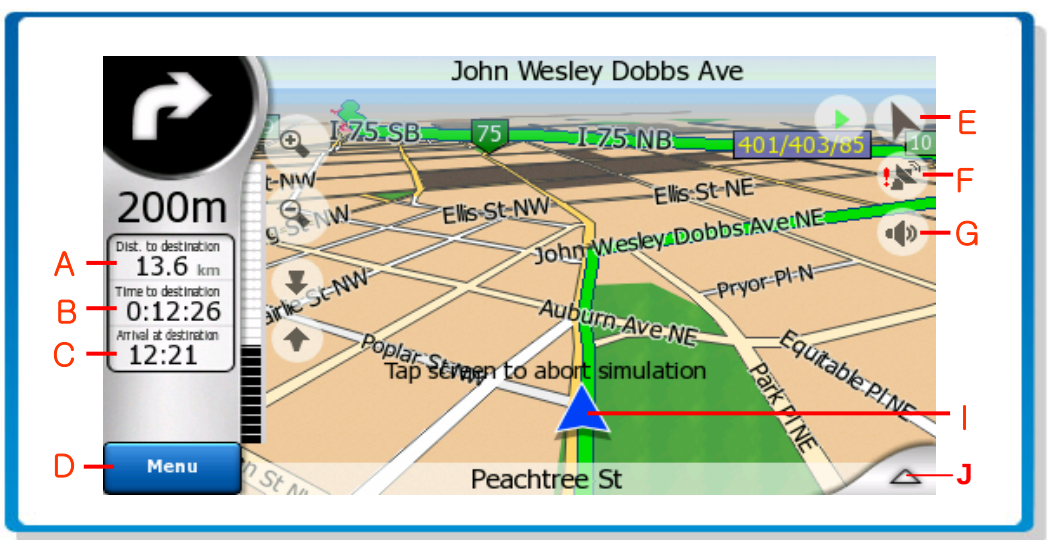
BUTTON	FEATURE	BUTTON	FEATURE
	Start GPS Navigation		AV-IN Display Mode
	Start DVD Player		Enter Utility Menu
	Start Radio		Enter Setting

4. Navigation

To start GPS Navigation, tap on [NAVIGATION] button from main menu screen.



A: Battery Status B: No GPS Signal Mark



A : Current Speed
B : Time of traveling
C : Current Time
D : Back to Navigation Menu
E : View of the Map
F : GPS Signal Mark
G : Speaker On
I : Your Current Position
J :Tap this area to see more functions

For more information about map and navigation, see the Navigation User Manual.

5.DVD Player

5.1. Starting DVD Player

To start DVD Player, tap on [DVD PLAYER] button from main menu screen.

5.2. Touch Screen Menu

You will not see any buttons while DVD is played.
Buttons will appear when you tap on LCD screen.

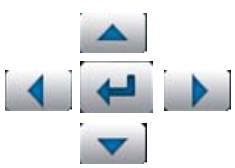
NOTE

1.DVD Player will automatically start when you insert DVD disc.
2.'SOUND ONLY' mode will appear if the vehicle is moving for driver's safety.
3.Supportive file format : AVI (Dvix)
4.DVD Player will not only play video, but also picture and music files as well.

DVD Player

5.3. Button Description

Function of buttons are described in the following.

	Start Voice guide only while DVD mode
	Start Navigation
	Read/Play files in USB memory
	Play files from Disc
	Read/Play files in main SD slot**
	Color Setting
	Hide Touch screen buttons
	Quit DVD Player
	Play previous/Next file in current selected storage
	Pause/Play
	Stop
	Navigate by using arrows and press to enter or start selected.

5.4. File Management

DVD mode plays files in **a)Disc b) USB c)SD card** in main SD slot.
Tap on screen button to choose storage wish to play in DVD Player.

****IMPORTANT****

SD card inserted into front part of your device will not be played by DVD player.
Only SD card in main SD slots will be accessed by DVD player.

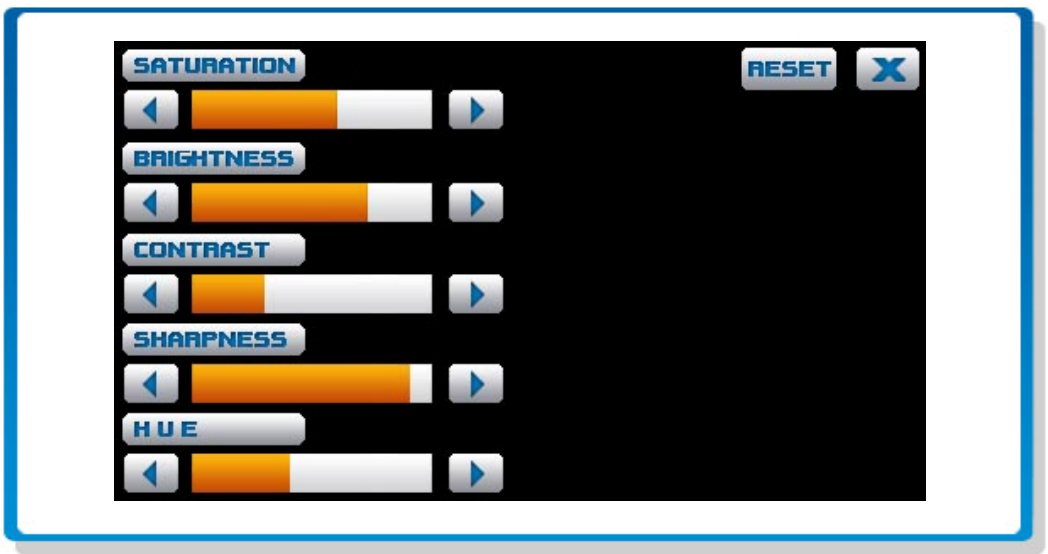
****NOTE****

Picture and Music files in SD card inserted in main SD slot will be also played by DVD player.

DVD Player

5.5. Color Configuration

You can set color preference by tapping button from screen buttons.

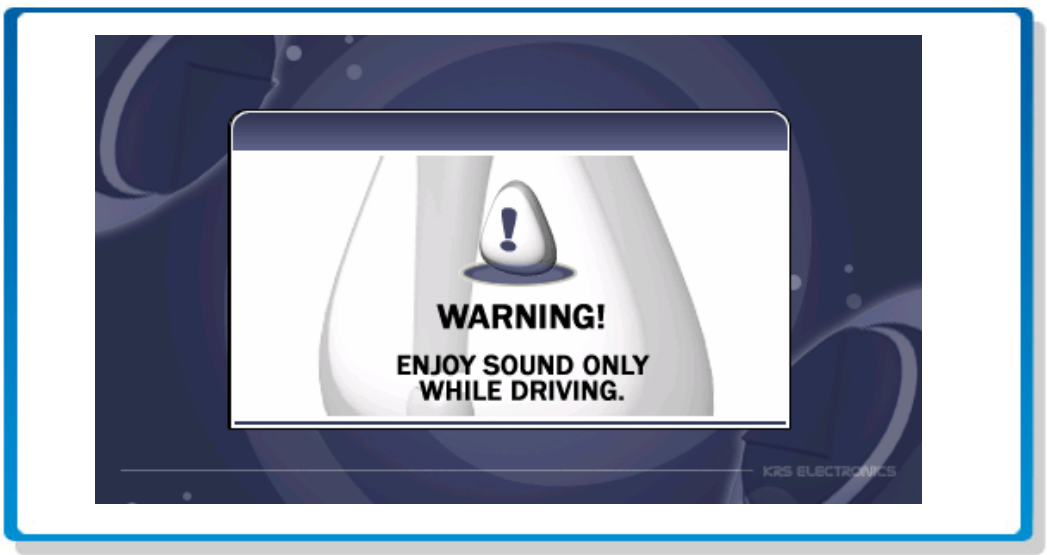


SATURATION	Change setting for Saturation
BRIGHTNESS	Change setting for Brightness
CONTRAST	Change setting for Contrast
SHARPNESS	Change setting for Sharpness
HUE	Change setting for Hue
RESET	Reset to default setting
X	Exit Color configuration menu

5.6. No Disk Warning

No Disc Warning will be displayed when disc, SD card, or USB is not detected. Please insert any media storage of three type mentioned above to play.

5.7. Drive Warning

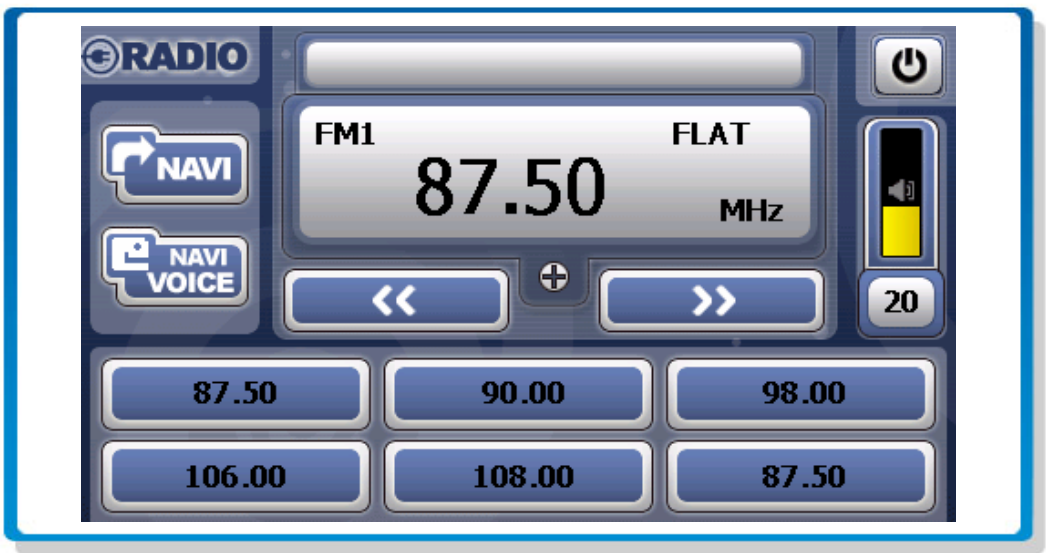


DVD Player will not display screen while vehicle is moving for driver’s safety. Enjoy sound only when driving.

6. Radio

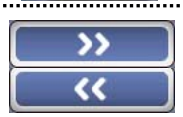
6.1. Starting Radio

To start Radio, tap on [RADIO] button from main menu screen.



6.2. Button Description

Function of buttons are described in the following.

	Quit Radio
	Start Navigation
	Voice guide over radio sound
	Seek Previous /Next radio frequency
	Press long – set current playing station as favorite Press short – Tune saved station
	Main Radio Screen provides information regarding Channel, mode, and band

7.AV-IN

7.1. Starting AV-IN Mode

AV In mode displays and/or plays audio & video source from connected device.
To start AV-IN Mode, tap on [AV-IN] button from main menu screen.

NAVI	Start Navigation
NAVI VOICE	Navigation Voice guide on
	Exit AV-IN

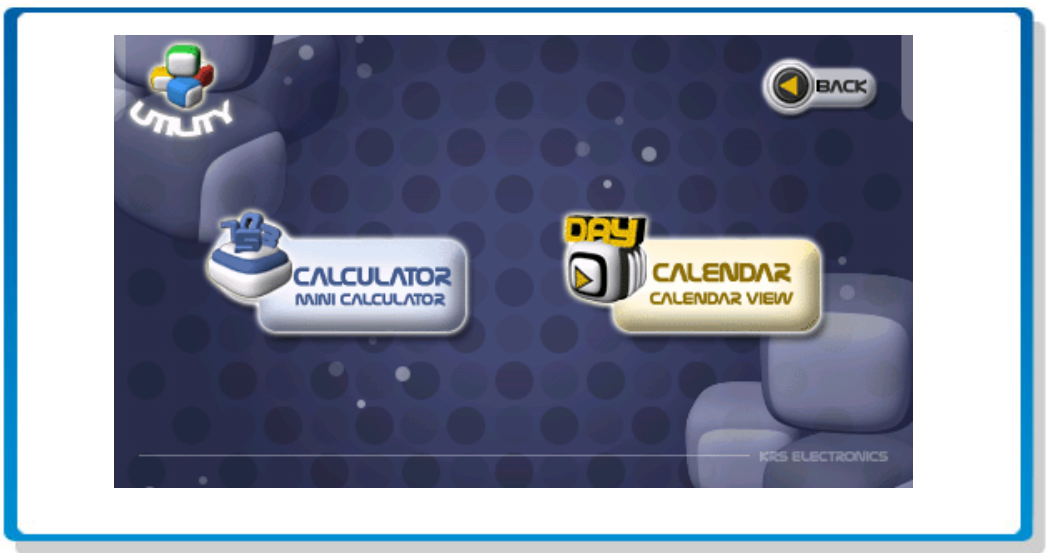
AV-IN

NOTE

‘NO VIDEO SIGNAL’ will be displayed when there is no Video source signal detected.

8. Utility

Utility contains various features for user comfort and convenience.
Tap on [Utility] button from main menu screen to enter Utility menu screen.



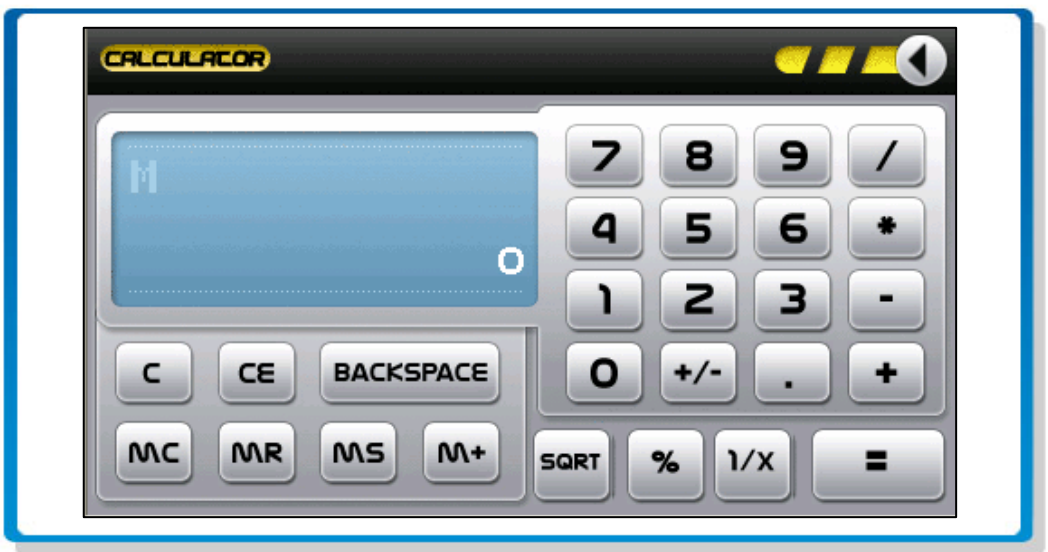
	Start Calculator
	Start Calendar
	Exit to Main Menu Screen

Entertainment

8.1. Calculator

8.1.1. Starting Calculator

To start Calculator, tap on [Calculator] button from Utility menu screen.



8.1.2. Button Description

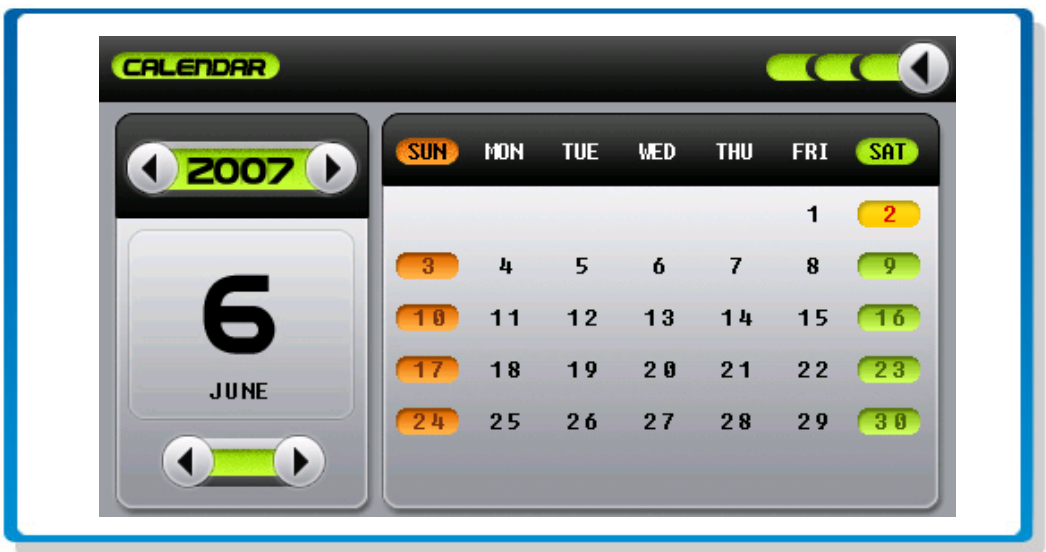
Function of buttons are described in the following.

MC	Memory numeric clear	C	Current calculative nemeric clear
MR	Memory numeric restore (display)	+, -, *, /	The four arithmetical operations
MS	Numeric save memory	0 ~ 9	Numeric display
M+	Add edit numeric to memory numeric	.	Dot display
Back space	Back space	=	Enter
CE	Display numeric clear		Program exit

8.2. Calendar

8.2.1. Starting Calendar

To start Calendar, tap on [Calendar] button from Utility menu screen.



You can set current date in SETTING MENU.

8.2.2. Button Description

Function of buttons are described in the following.

YEAR		Decrease / Increase Year
MONTH		Decrease / Increase Month
		Exit Calendar and back to previous screen

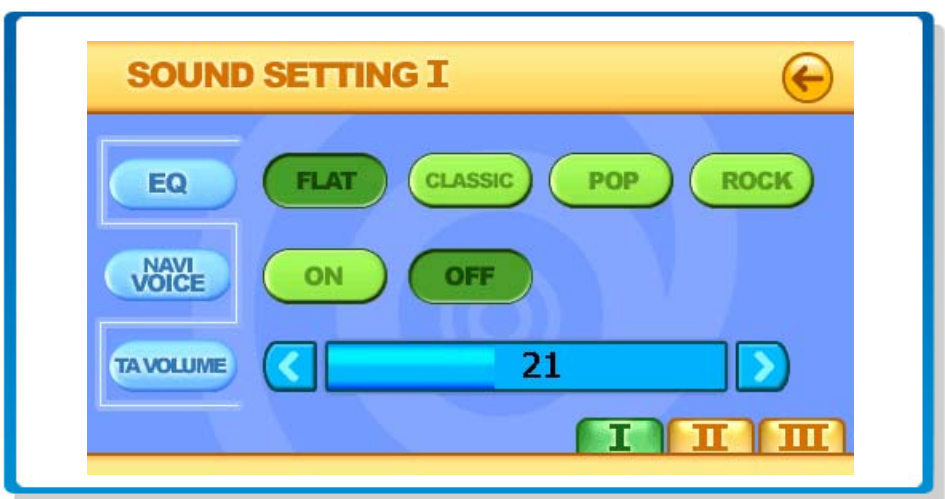
Setting

9. Setting

Your device has default system settings. You can customize the settings to suit your personal needs. Once you change settings, your new settings will remain until you change it again.
To enter Setting, tap [SETTING] button from main menu screen.

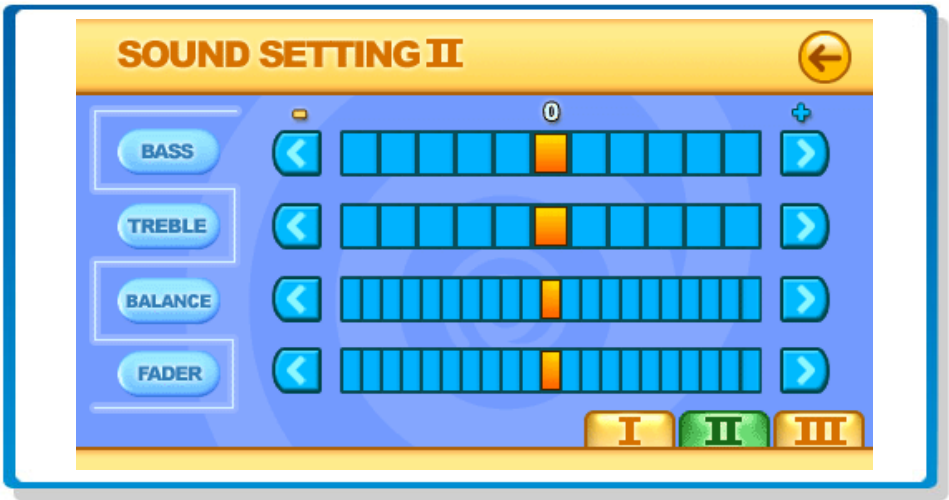
9.1. Sound Control

10 different setting is possible through sound control menu.
Tap [Sound Control] button from setting menu screen.



Setting	Description
EQ	Select EQ mode
NAVI VOICE	VOICE GUIDE ON / OFF
TA VOLUME	TA Volume Control (Radio)

Setting



Setting	Description
BASE	Base up/down
TREBLE	Treble up/down
BALANCE	Left/Right Balance Control
FADER	Front/Back Fader Control

Setting	Description
BEEP	
LOUD	Loud Sound Setting
SUB WOOFER	Sub Woofer Base support setting

Setting

9.2. Display

Tap [DISPLAY] button from setting menu screen.

Setting	Description
BRIGHTNESS	LCD Brightness

Setting	Description
DUAL	Dual Mode Control
KEY	Key Control
VOL	Vol Setting

Setting

9.3. Date & Time setting

Tap [DATE&TIME] button from setting menu screen.

12 Hour Mode

24 Hour Mode

Tap

button to change time mode to 24 hours.

9.4. RDS & Radio

Tap [RDS&RADIO] button from setting menu screen.

Setting

Tap [II] button from RDS & RADIO I menu screen.
Various Radio options can be set.

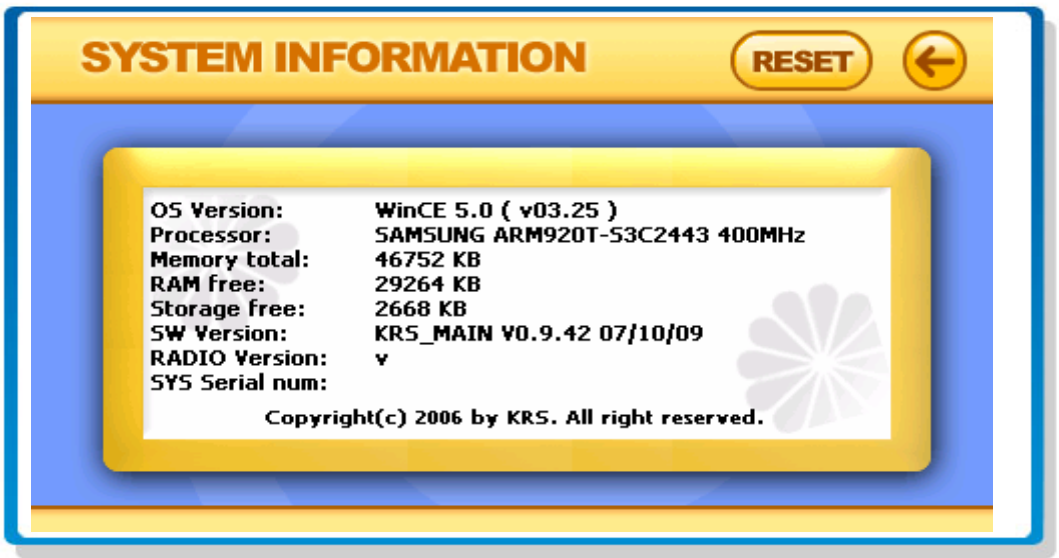
Choose location where you are using Radio to set frequency configuration.

Setting

Setting	Description
TA	**TA SEEK mode:** When newly tuned station does not receive TP information for 5 sec, the radio retunes to next station which has not the same station(PI) as the last station, but has the TP information. When TP information gets lost at the current station for retune time which is set by RETUNE SHORT(30 sec) or RETUNE LONG (90 sec), the radio start to retune to next same PI station. When same PI station does not catch in 1 cyclic search, the radio retunes to next station with TP information. **TA ALARM mode.** When this mode is selected, any automatic retune mode is not activated. Only double beep sound (ALARM) is out -put . **So, in this mode, the unit keeps the current station anyhow.** **(The higher priority is PI rather than TP.)**
PI	When different PI sound (DIP) is heard once in a while, the DIP ‘s sound will be heard for less than 1 second. **PI MUTE mode** Under the same situation, a mute sound will be heard for less than 1 sec.
REG	**Regional mode ON** AF switching or PI SEEK is implemented to the station which have all PI codes are the same as current station. REG of individual segment is turned on also together with displaying “REG ON” on numeric display for a few seconds. *** In double displaying mode, the individual segment may be deleted in case of not enough- space in display.** **Regional mode OFF** The regional code in the format of PI code is ignored when AF switching or PI SEEK is implemented. REG of individual seg. is turned off together with displaying “ REG OFF” on numeric display for a few seconds.
RETUNE	The initial time of automatic TA search or PI SEARCH mode is selected. When PI information is not caught for retune time, the radio start to retune to next same PI station. When same PI station does not catch 1 cyclic search, the radio goes to last satiation and waits for 4 -5 minute until PI code is received. - **RETUNE L mode : Selected as 90 seconds.** - **RETUNE S mode: Selected as 30 seconds.**
MASK	**MASK DPI mode : masked only the AF which has Different PI .** **MASK ALL mode : masked the AF which has Different PI and NO RDS signal with high field strength**
EONTA	**EONTA LOCAL mode** When the filed strength level of EON linked is less than the threshold level, the radio does not switch that station, and a customer can hardly listen to any disturbances. **EONTA DISTANCE mode** EON TA switching is try to implemented by the information of current station . When EONTA DISTANCE mode is selected, “ EONTA DX” on numeric display is indicated for a few seconds.

9.5. SYSTEM INFORMATION

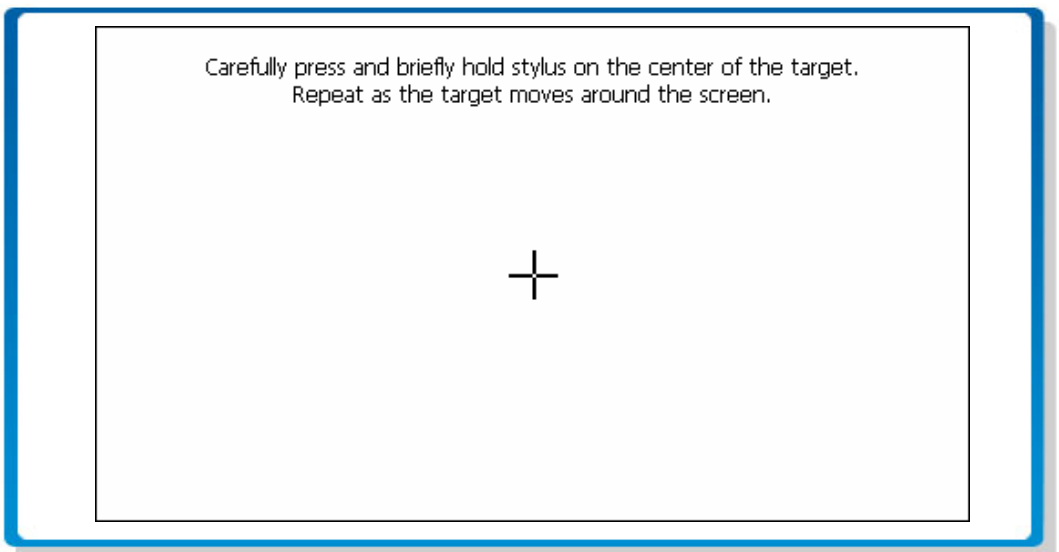
You can view detail system information including serial number of the software.
Tap [SYSTEM] button from setting menu screen. Also, by pressing RESET, it will make the settings for Navigation and other personal settings to default.


SYSTEM INFORMATION
RESET
OS Version: WinCE 5.0 (v03.25)
Processor: SAMSUNG ARM920T-S3C2443 400MHz
Memory total: 46752 KB
RAM free: 29264 KB
Storage free: 2668 KB
SW Version: KRS_MAIN V0.9.42 07/10/09
RADIO Version: v
SYS Serial num:
Copyright(c) 2006 by KRS. All right reserved.

9.6. Calibration

Tap [CALIBRATION] button from setting menu screen.
When the target moves to another position, tap and hold at the center of the new target. Repeat each time to complete the calibration process.

When completed, tap anywhere in screen to go back to menu screen.



Setting

9.7. Update Mode

Tap

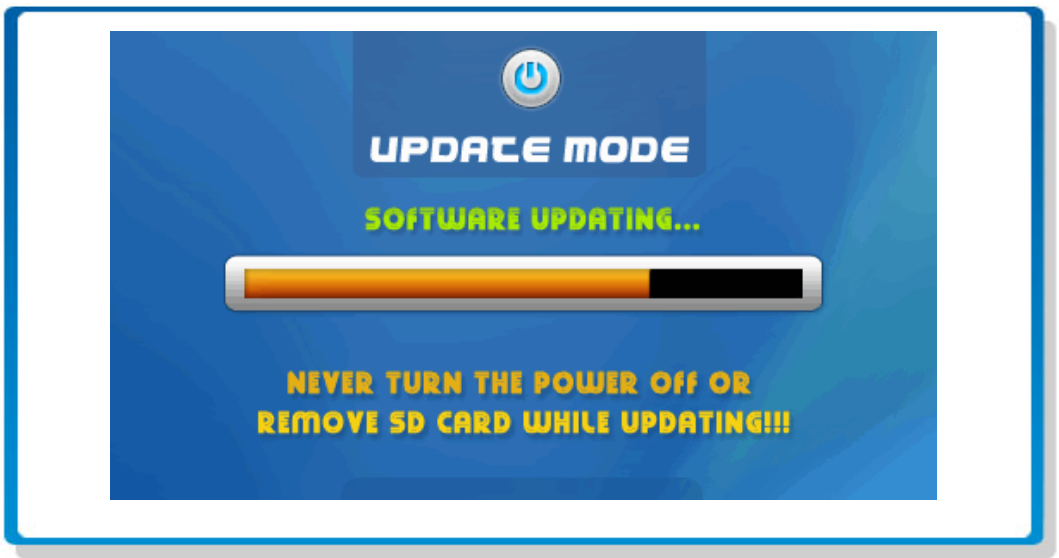
[UPDATE] from Setting menu to enter Update mode.

Insert SD card with upgrade files stored before proceeding upgrade.
Tap desired upgrade feature button in Update mode.

9.7.1. Button Description

	Software Update
	OS Update
	Application + Map Update
	Application Update
	Map Update

9.7.2. Upgrade Procedure



Update will begin when you tap each update buttons.

****IMPORTANT****
Never remove SD card, or turn power off while updating.
This may cause critical problem in system.

Reset the device once update is completed.

10. Device Specific.

10.1. Device Specification

Display	4" - 480 x 272 pixel WQVGA - Touch-screen
Audio format	CD, CD-R (W), MP3, WMA, ogg VORBIS
Video format	DVD, DVD-R, DVD+R, VCD, DivX, AVI, MP4
Operating System	Windows CE.NET OS 5.0
GPS Module	SiRF STAR III integrated - External GPS antenna
Processor	Samsung 400 MHz
Radio Tuner	AM/FM - Preset 18 FM, 12 AM - RDS EON
Amplifier	4 x 40 Watt integrated - THD < 0,1%
Input/Slots	1 input RCA A/V - USB - SD, MMC
Output	5 outputs RCA Dolby Digital - 1 output RCA A/V
Operating Temp.	- 10°C ~ +60°C
Dimension	1-Din - 178 x 50 x 165 mm
Weight	1800 g